

CLAIMS

What is claimed is:

1. An illumination device comprising:
a light source; and
a light guide for receiving light from the light source at a light-receiving face of the light guide and emitting the light from a light-emitting face of the light guide,
wherein a face opposite the light-receiving face of the light guide is formed as an inclined plane.
2. An illumination device according to Claim 1, wherein an angle of inclination of the inclined plane is approximately ten degrees in a positive or negative direction with respect to a plane normal to the light-emitting face of the light guide.
3. An illumination device according to Claim 1, wherein a reflective member is provided on the face opposite the light-emitting face of the light guide.
4. An illumination device according to Claim 1, wherein a reflective member is provided on the inclined plane of the light guide.

5. An illumination device comprising:

a light source;

a light guide for receiving light from the light source at a light-receiving face of the light guide and emitting the light from a light-emitting face of the light guide; and

diffusion patterns provided on the light-emitting face or a face opposite the light-emitting face of the light guide,

wherein the face opposite the light-receiving face of the light guide is formed as an inclined plane; and

wherein the pattern density of the diffusion patterns increases from the inclined plane toward a middle part of the light guide.

6. An illumination device according to Claim 5, wherein an expression $S_0 < S_1 < S_2$ is satisfied, in which S_0 denotes the pattern density of the diffusion patterns disposed in the vicinity of the light source, S_1 denotes the pattern density of the diffusion patterns disposed in the vicinity of the inclined plane, and S_2 denotes the pattern density of the diffusion patterns disposed in the middle part of the light guide.

7. An illumination device according to Claim 6, wherein an expression $L_1 > L_2$ is satisfied, in which L_1 denotes a distance from the diffusion patterns having the pattern density S_0 and disposed closest to the light source to the diffusion patterns having the pattern density S_2 and disposed in the middle part, and L_2 denotes a distance from the diffusion patterns having the pattern density S_1 and disposed closest to the inclined plane to the diffusion patterns having the pattern density S_2 and disposed in the middle part.

8. An illumination device according to Claim 5, wherein the light source is an LED (light emitting diode).

9. A liquid crystal apparatus comprising:

a liquid crystal panel comprising a pair of substrates sandwiching liquid crystal;
and

an illumination device supplying light to the liquid crystal panel, the illumination device including:

a light source; and
a light guide which receives light from the light source at a light-receiving face of the light guide and emits the light from a light-emitting face of the light guide, wherein a face opposite the light-receiving face of the light guide is formed as an inclined plane.

10. A liquid crystal apparatus comprising:

- a liquid crystal panel comprising a pair of substrates sandwiching liquid crystal; and
- an illumination device supplying light to the liquid crystal panel, the illumination device including:
 - a light source;
 - a light guide which receives light from the light source at a light-receiving face of the light guide and emits the light from a light-emitting face of the light guide; and
 - diffusion patterns provided on at least one of the light-emitting face and a face opposite the light-emitting face of the light guide;
 - wherein the face opposite the light-receiving face of the light guide is formed as an inclined plane; and
 - the pattern density of the diffusion patterns increases from the inclined face toward a middle part of the light guide.